

REMARKS

Claims 1-4 are pending. By this Amendment, claims 1, 3 and 4 are amended.

Applicants appreciate the courtesies extended by Examiners Patrice Winder and Thomas Duong to Applicants and Applicants' representative during the July 29, 2005 personal interview.

Entry of this Amendment After Final Rejection is proper because: 1) the amendments herein place the application in condition for allowance, as discussed during the July 29 interview; 2) the amendments herein do not raise the issue of new matter; 3) the claims as amended herein do not present new issues requiring further consideration or search; and 4) the amendments herein do not present additional claims without canceling any finally rejected claims. Thus, entry and consideration of the Amendment is respectfully requested.

Reconsideration based on the following remarks is respectfully requested.

I. The Claims Define Patentable Subject Matter

The Office Action rejects claims 1-4 under 35 U.S.C. § 102(e) over Hunt et al. (U.S. Patent No. 6,539,422); and claims 1-4 under 35 U.S.C. § 103(a) over Hunt in view of Westberg et al. (U.S. Patent No. 5,946,309). These rejections are respectfully traversed.

As discussed during the personal interview, the Hunt reference does not explicitly or even implicitly teach the encoding/decoding steps, particularly at the remote site, because Hunt requires the use of an HTTP server at each ADC device. In particular, the remote computer in Hunt has browsing software adapted for receiving and sending

HTML documents, DHTML documents and XML documents over the Internet, and thus there is no need for decoding of a single data stream at the remote site into discrete raw data streams, as in the present invention. In the present invention, raw machine data received from each production device is decoded at the remote site, and this data can be used to determine operational and configurational data to be sent back to the production devices. Thus, the present invention allows for real time, open ended reconfiguring of a plurality of production device. In contrast, since Hunt requires the use of HTTP servers at each ADC device and information is sent via HTML documents, DHTML documents and XML documents, the user is limited to the type of information that can be sent back to the ADC devices.

Westberg teaches the well-known concept of multiplexing data from a variety of different protocols over a single communication channel. There is simply no motivation to combine the multiplexing concept taught in Westberg with Hunt's system, because Hunt actually teaches away from using multiplexing or packetizing of data. As discussed, Hunt already provides a means for receiving and sending information in the form of HTML, DHTML and XML documents to and from the remote site, thereby obviating the need to multiplex data into a single data stream.

Claims 1, 3 and 4 are amended to emphasize that, at the remote network, the single data stream is decoded into discrete data streams, where each discrete data stream is in a format particular to an individual production device. Hunt simply does not teach or even suggest this feature. Further, the claims now also emphasize that remote engineering instruction sets are formulated at the remote network. The remote

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engineering instructions may include both operational and configurational data for the production devices.

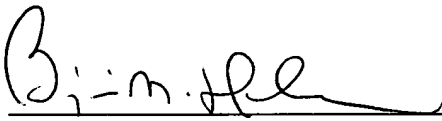
For at least the above reasons, it is respectfully submitted that claims 1-4 are patentable over Hunt and Westberg. In light of the foregoing remarks, Applicant respectfully requests that a timely Notice of Allowance with respect to all of the pending claims be issued.

Authorization is given hereby to charge any deficiency or credit any overpayments to Deposit Account No. 01-1785.

Respectfully submitted,

AMSTER, ROTHSTEIN & EBENSTEIN LLP
Attorney for Applicant
90 Park Avenue
New York, NY 10016
(212) 336-8000

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By: 
Benjamin M. Halpern
Registration No.: 46,494